

Abstract of the DisclosureULTRASONIC BLADDER INSTRUMENT AIMING SYSTEMS

The system includes a function for generating a plurality of ultrasound scan planes, each separated by a selected angle, to produce a scan cone having an ultrasound scan cone boundary for scanning the bladder, or other organ. The amount, if any, of the scanned bladder which extends beyond the ultrasound scan cone boundary is then determined, as well as the percentage of the bladder within an inner cone boundary relative to that within the ultrasound cone boundary. A signal is provided, specifically illumination of one of four orthogonal arrows in a display, indicating the direction that the transducer should be moved in order to more accurately center the bladder within the ultrasound scan cone boundary. Re-aiming of the transducer is considered necessary when the ratio of the percentages is less than 70%, while if the percentage ratio is greater than 70%, aiming is optional.